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[GB/GB]; Oxford Gene Technology, Begbroke Business & Science Park, Hirsch Building, Sandy Lane, Yarnton, Oxford OX5 1PF (GB).

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(71) Applicant (for all designated States except US): **OXFORD GENE TECHNOLOGY IP LIMITED** [GB/GB]; Begbroke Business & Science Park, Hirsch Building, Sandy Lane, Yarnton, Oxford OX5 1PF (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WHEELER, Susan** [GB/GB]; Oxford Gene Technology, Begbroke Business & Science Park, Hirsch Building, Sandy Lane, Yarnton, Oxford OX5 1PF (GB). **SHCHEPINOV, Mikhail, Sergeevich** [RU/GB]; Oxford Gene Technology, Begbroke Business & Science Park, Hirsch Building, Sandy Lane, Yarnton, Oxford OX5 1PF (GB). **SOUTHERN, Edwin, Mellor**

(74) Agents: **MARSHALL, Cameron, John** et al.; Carpmaels & Ransford, 43-45 Bloomsbury Square, London WC1A 2RA (GB).

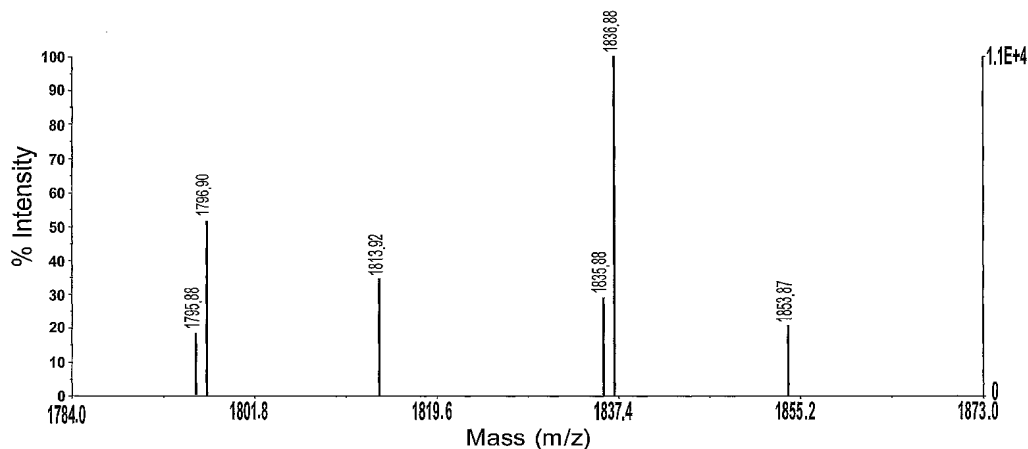
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(54) Title: MASS SPECTROMETRY OF ARGININE-CONTAINING PEPTIDES



(57) Abstract: Peptides can be derivatised such that, when ionised and analysed by mass spectrometry, those containing arginine residues give characteristic peak patterns. Peaks corresponding to arginine-containing peptides can therefore be selected from a mass spectrum in order to simplify and improve peptide analysis. Suitable labels give derivatised peptides that have the ability to form both a stabilised ion species ([P]⁺) and a protonated ion molecular species ([P+H]⁺) that differ by one average mass unit. A characteristic peak pattern is seen.

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